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Form No. 562926

Parts List &  
Operating Instructions for: **5285**  
**1066521-00-A**



Original Instructions

## Power Train Lift

Max. Capacity: 1,650 lbs. (748 kg)



### Description:

Use to remove, install, and transport a wide range of power train assemblies. Typical components include engine and transmission assemblies, gas tanks, drive axle assemblies, engine / transaxle assemblies, electric vehicle batteries, and more.

## Explanation of Safety Signal Words

The safety signal word designates the degree or level of hazard seriousness.



**DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



**WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



**CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION:** Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

Sheet No. 1 of 4

Issue Date: Rev. F March 5, 2018

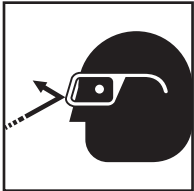
## Safety Precautions



**WARNING:** To prevent personal injury or equipment damage,



- Study, understand, and follow all instructions before operating this device.
- Wear eye protection that meets OSHA and ANSI Z87.1 standards.
- No alterations shall be made to this product
- Before using the lift, inspect the unit for leaks, or damaged, loose, or missing parts. Immediately replace cut, frayed, damaged hoses, and electrical cords.
- Only use attachments and / or adapters supplied by the manufacturer.
- Adequately support the vehicle before starting repairs.
- Securely tighten the strap assembly around the component being lifted.
- Do not exceed the rated capacity.
- Do not lift or move a load that has a center of gravity extending beyond the wheels. Tipping can result in personal injury.
- Do not move the lift while the load is raised. Lower the load completely before moving or storing the load.
- Carefully and slowly move a load on an incline or around a corner. Tipping can result in personal injury.
- Use only on a hard, level surface.
- Do not stand under a load that is supported by the lift.
- The component must be securely held in place before it is removed from the lift.



## Operating Instructions

### Removal

1. Follow the vehicle manufacturer's recommended service procedure for removal of the component.
2. Position the power train lift under the vehicle. Connect the air hose to the pump.
3. Use the foot pedal to raise the lift to the load.
4. Adjust the wood blocks to fit the assembly, and tighten the nuts to secure the blocks in place.
5. Turn the adjusting screws to align the lift with the component. Raise the lift to the correct position.
6. Place the strap assembly around the component, and tighten the strap securely to the hook holes.
7. Remove any remaining bolts from the vehicle component.
8. Completely lower the power train lift using the foot pedal control.
9. Move the lift and load out from under the vehicle.

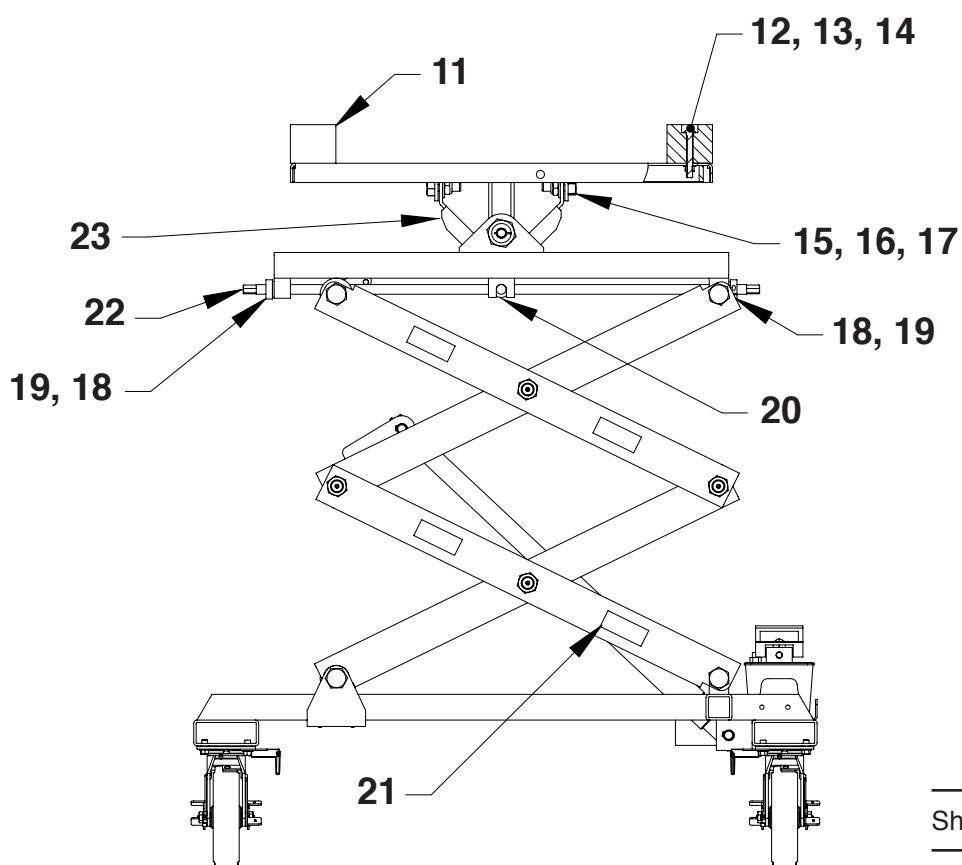
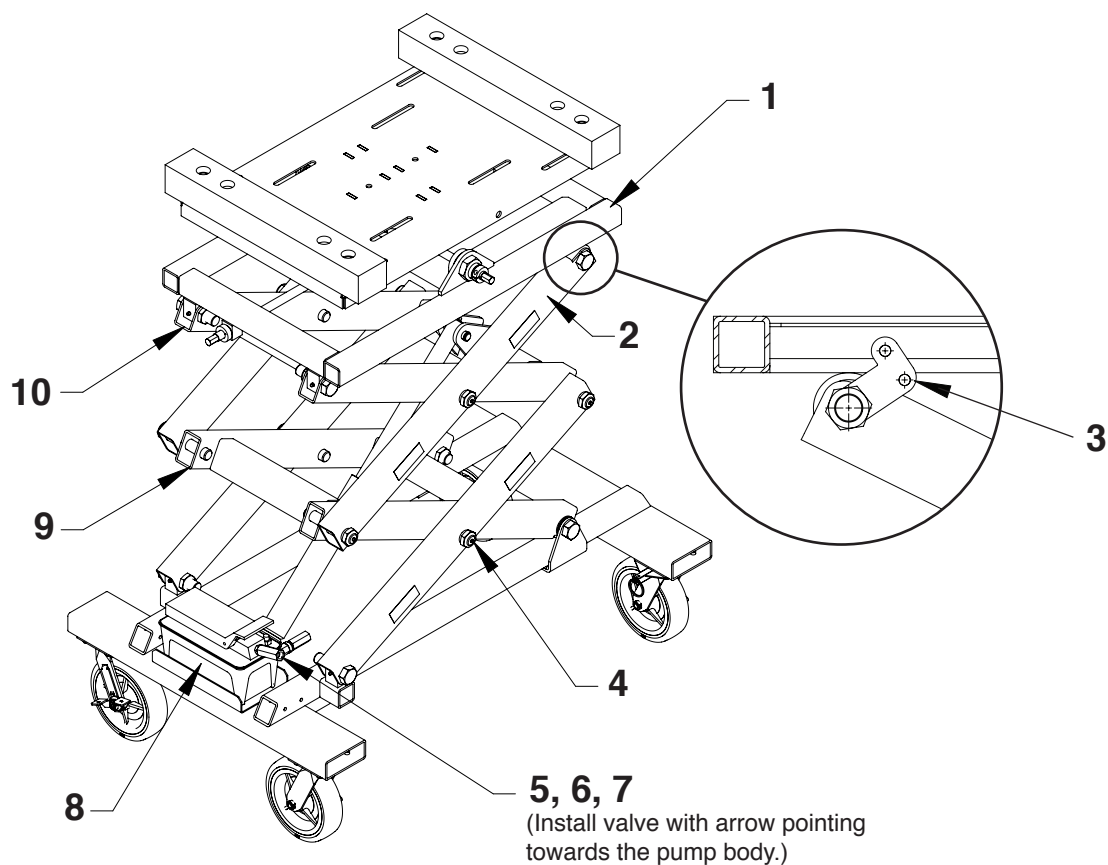
### Installation

1. Position the power train lift under the chassis.
2. Raise the power train lift and turn the adjusting screws to align the component in the correct position.
3. Follow the vehicle manufacturer's recommended service procedure for installing the component.

## Maintenance

Use a good grade lubricant to regularly lubricate the pivot points, adjusting screws, and swivel casters.

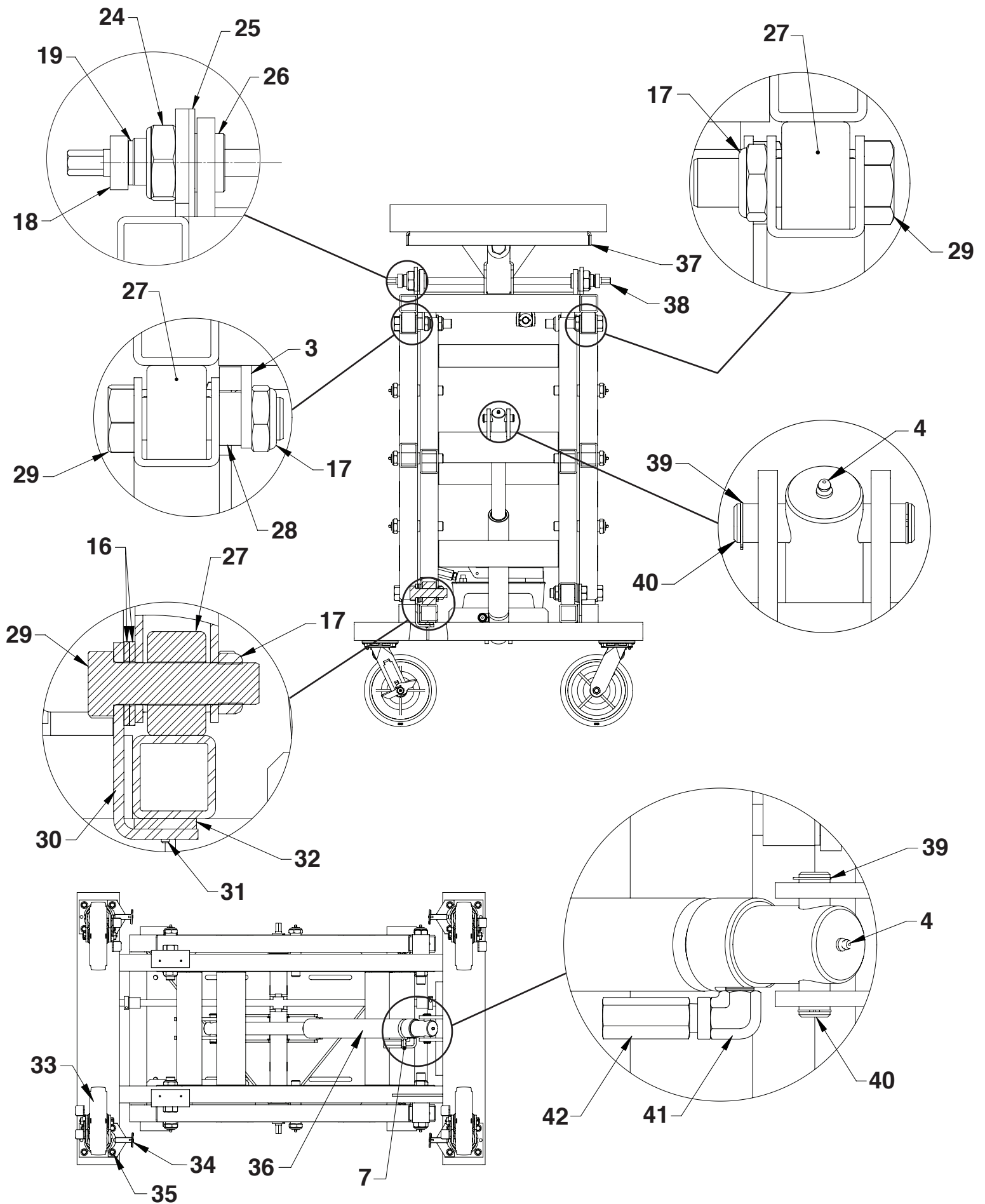
## Parts List



Order replacement parts  
at [OTCparts.com](http://OTCparts.com)

This document contains product parts lists and information regarding operation and maintenance. Items listed in the parts list have been carefully tested and selected by OTC. Therefore, use only OTC replacement parts.

Product questions may be directed to the OTC Technical Service Department at (800) 533-6127.

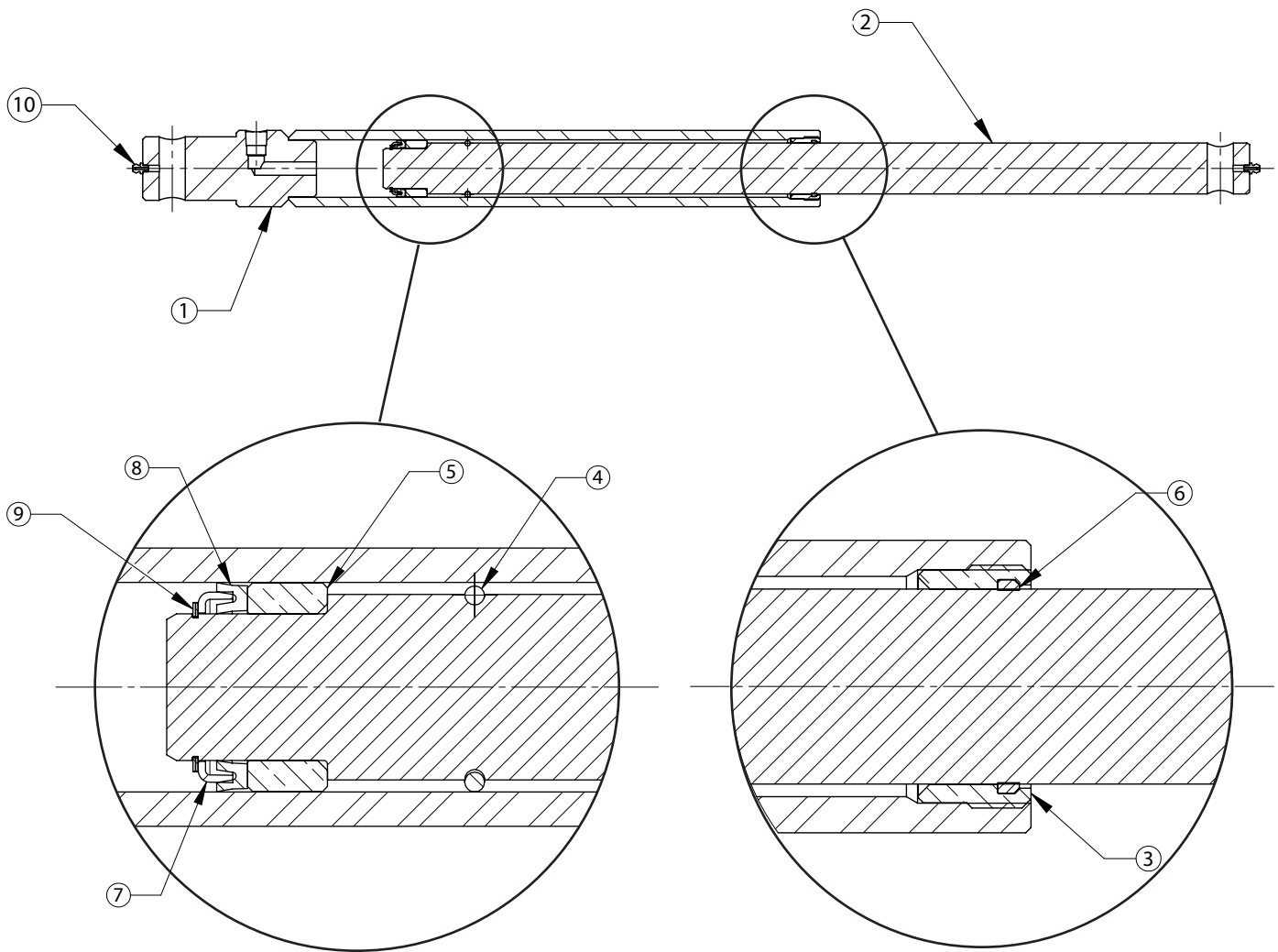


## Parts List

Item No.	Qty.	Part No.	Description
1	1	<b>564082</b>	Table Base (for 5285)
	1	<b>576775</b>	Table Base (for 1066521-00-A)
2	4	<b>564060</b>	Frame Tube
3	1	<b>564088</b>	Retaining Plate
4	12	<b>16696</b>	Alemite Grease Fitting
5	1	<b>566055</b>	Inline Flow Regulator Valve (Install valve with arrow pointing towards the pump body.)
6	1	<b>10673</b>	Straight Fitting
7	1	<b>563966</b>	Hydraulic Hose
8	1	<b>560111</b>	Air Pump
9	1	<b>564063</b>	Riser Frame (for 5285)
	1	<b>576774</b>	Riser Frame (for 1066521-00-A)
10	1	<b>564058</b>	Rise Frame (for 5285)
	1	<b>576773</b>	Rise Frame (for 1066521-00-A)
15	2	<b>564094</b>	Hex Head Cap Screw
16	6	<b>11253</b>	Type "A" Washer
17	18	<b>564076</b>	Hex Locknut
18	4	<b>526998</b>	Locking Collar
20	2	<b>523970</b>	Trunnion
21	8	<b>218297</b>	Warning Decal
22	1	<b>523964</b>	Forcing Screw
23	1	<b>564090</b>	Tilt Table
26	2	<b>564079</b>	Bushing
27	4	<b>579188</b>	Roller
28	1	<b>564084</b>	Spacer
29	8	<b>564092</b>	Hex Head Cap Screw
36	1	<b>565808</b>	Hydraulic Cylinder
37	1	<b>523969</b>	Table
38	1	<b>523966</b>	Forcing Screw
41	1	<b>564118</b>	Elbow
42	1	<b>564117</b>	Velocity Fuse

## Replacement Kit List

Item No.	Qty.	Description
<b>565243 Hardware Kit</b>		
19	4	Thrust Bearing Washer
24	2	Nylon Insert Locknut
25	2	Washer
<b>565244 Keeper Plate Kit (for 5285)</b>		
30	2	Keeper Plate
31	4	Screw (10-24 x 1/2)
32	2	Glide Strip
<b>577249 Keeper Plate Kit (for 1066521-00-A)</b>		
30	2	Keeper Plate
31	4	Screw (10-24 x 1/2)
32	2	Glide Strip
<b>565247 Wood Block Kit</b>		
11	2	Wood Block
12	4	Carriage Bolt
13	4	Washer
14	4	Hex Nut
<b>579910 Cylinder Pin Hardware Kit</b>		
39	4	Retaining Ring
40	2	Cylinder Pivot Pin
<b>579912 Caster Kit</b>		
33	1	Swivel Caster with Brake
34	1	Caster Swivel Lock
<b>579913 Bolt Pack</b>		
35	6	Serrated Flange Bolt (3/8"-16 X 3/4")



Cylinder Parts List

Item No.	Qty.	Part No.	Description
1	1	565801	Cylinder Weldment
2	1	565804	Rod
3	1	*	Retainer Nut
4	1	*	Retaining Ring
5	1	*	Cylinder Bushing
6	1	*	Wiper Rod
7	1	*	Slip Retainer
8	1	*	U-cup Packing (Piston Type)
9	1	*	External Retaining Ring
10	2	*	Alemite Grease Fitting

566057 Seal Replacement Kit

Item No.	Qty.	Description
3	1	Retainer Nut
4	1	Retaining Ring
5	1	Cylinder Bushing
6	1	Wiper Rod
7	1	Slip Retainer
8	1	U-cup Packing
9	1	External Retaining Ring
10	2	Alemite Grease Fitting

\* Included in Seal Replacement Kit

## Inspection and Maintenance



**CAUTION:** To prevent personal injury,

- Only qualified personnel shall perform inspections and repairs to this power train lift.
- Before each use, an approved inspector must inspect the power train lift for bends, cracks, dents, elongated holes, or missing hardware. If damage is found, discontinue use.
- Use only those repair parts called out in the parts list in this document. Items found in the parts list have been carefully tested and selected by OTC.

### Inspection

Before each use, an approved inspector must inspect the power train lift for bends, cracks, dents, elongated holes, or missing hardware. If damage is found, discontinue use.

### Maintenance

Periodically lubricate the jacking screws and wheel assemblies with lubricating oil or grease.

### Repair

When repairing the power train lift, use only those repair parts called out in the parts list in this document. Items found in the parts list have been carefully tested and selected by OTC.

### Disposal

At the end of the useful life of the power train lift, dispose of the components according to all state, federal, and local regulations.

## IMPORTANT PRODUCT INFORMATION

Record serial number and year of manufacture for future reference. See product identification label on unit for information.

☐ 5285

☐ 1066521-00-A

Serial Number: \_\_\_\_\_ Year of Manufacture: \_\_\_\_\_